

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

*In the Name of Allah,  
the Most Gracious, the Most Merciful*

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King Fahd National Library Cataloging-in-Publication Data

Ahmad, Yusuf Al hajj

Scientific Wonders on the Earth & in Space. /

Yusuf Al hajj Ahmad - Riyadh , 2010

Pages: 358 Size: 17x24 cm

ISBN: 978-603-500-042-0

1-Islam and Science 2- Earth Sciences - Quranic teaching

I - Title

214.525 dc

1431/8749

L.D. no. 1431/8749

ISBN: 978-603-500-042-0

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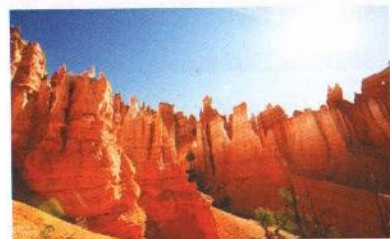
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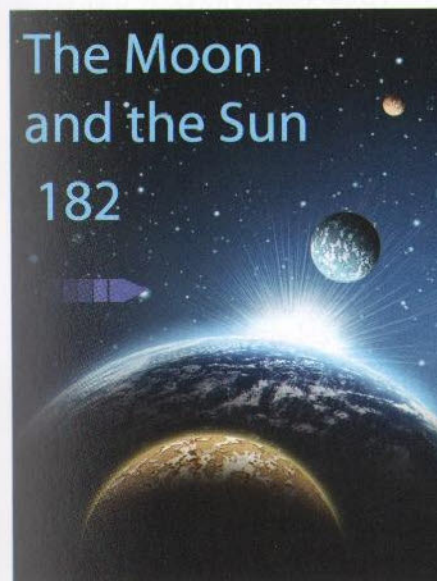
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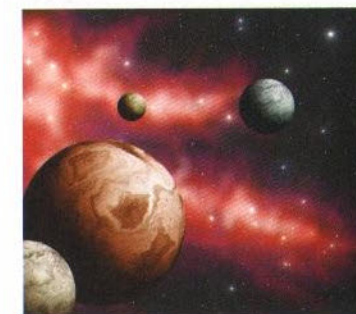
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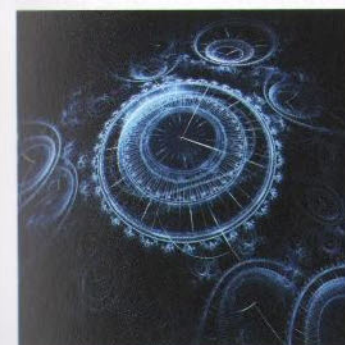
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## Author's Note

All praise is due to Allah. We praise Him and we seek for His assistance and forgiveness. We seek refuge with Him from the evils of our own souls and from our misdeeds. No one can mislead whomever Allah guides and no one can guide whomever Allah causes to go astray.

I testify that there is no deity worthy of worship except Allah. He is One and He has no partner. I also testify that Muhammad is His Slave and Messenger. Allah sent him with the religion of guidance so that it may prevail over all other religions even if the disbelievers dislike that.

Speaking about scientific miracles has become a necessity these days, as knowledge has made great and rapid strides that cannot be stopped even for a moment. Everyday there are new inventions and astounding discoveries. All this strenghtens a Believer's faith and increases confusion in the confused person.

Allah has blessed me with collecting all the conclusions that have been arrived at by the leaders in this art of scientific and medical miracles. I, then, decided that this compilation should comprehensively include every topic relating to miracles either from the Qur'an or from the authentic *Sunnah*. Some repetitions may be found in this work due to some benefits such as considering the differences in the scholars' methodologies of writing about one topic. The wisdom of this may be found in the popular saying: "You might find in a stream what you might not find in a sea."

Dear reader, on my part I have selected for you the most comprehensive, most authentic, most modern and most beautiful of these proofs. For the purpose of authentication, some of the specialists in these fields have shared their knowledge with me. I would mention, as an example, Dr. Muhammad Harb, a specialist obstetrician and gynecologist and Jihad 'Inayah and Mahir Kabab, who are both pharmacists. I am very grateful to them.

There is no doubt that this work that you are reading, as a first



step on what the modern science has arrived at in our contemporary times, has already been mentioned in the Qur'an and mentioned by the Messenger of Allah, peace be upon him, more than 1,400 years ago. This is certainly not going to be the end either. There shall continue to be more and more discoveries that will show humanity that the Qur'an is truly Allah's Word. Allah says about the Qur'an:

﴿لَا يَأْتِيهِ الْبُطْلُ مِنْ بَيْنِ يَدَيْهِ وَلَا مِنْ خَلْفِهِ تَنْزِيلٌ مِنْ حَكِيمٍ حَمِيدٍ﴾

"Falsehood cannot come to it from before it or behind it; (it is) sent down by the All-Wise, Worthy of all praise (Allah, Glorified and Exalted be He)." (*Soorah Fussilat* 41:42)

He also says:

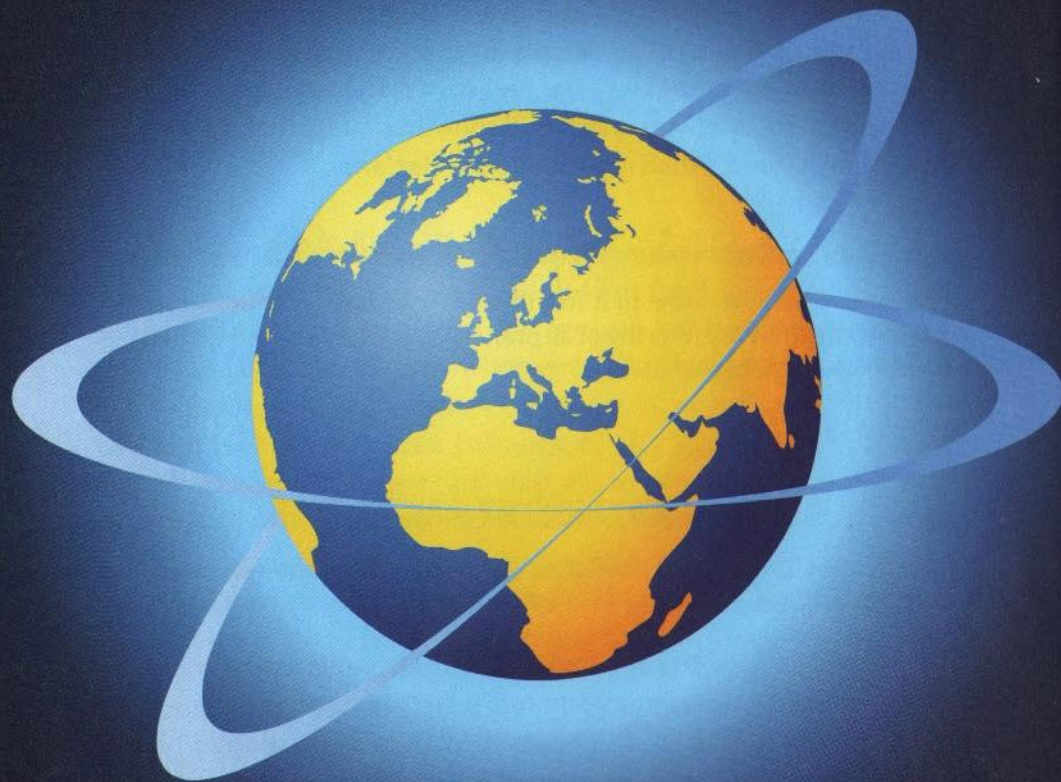
﴿وَمَا يَنْطِقُ عَنِ الْهَوَىٰ ۚ إِنْ هُوَ إِلَّا وَحْيٌ يُوحَىٰ﴾

"Nor does he speak of (his own) desire. It is only a Revelation revealed." (*Soorah An-Najm* 53:3-4)

This books discusses many topics. The main sections are: Miracles in the Earth and Miracles in astronomy, which are the most important topics discussed in this work. I beseech Allah to make all that I have collected and written to make a reminder for those who have sound hearts, the ability to listen and have presence of mind, and to make it purely for His sake and to benefit me and the Muslims as a whole with it. Indeed, He has power over all things and He is worthy of accepting prayers. All praise is due to Allah, the Lord of the worlds. May the blessings and peace of Allah be upon our leader Muhammad, his family and his Companions.

Servant of the *Sunnah*  
Yusuf Al-Hajj Ahmad

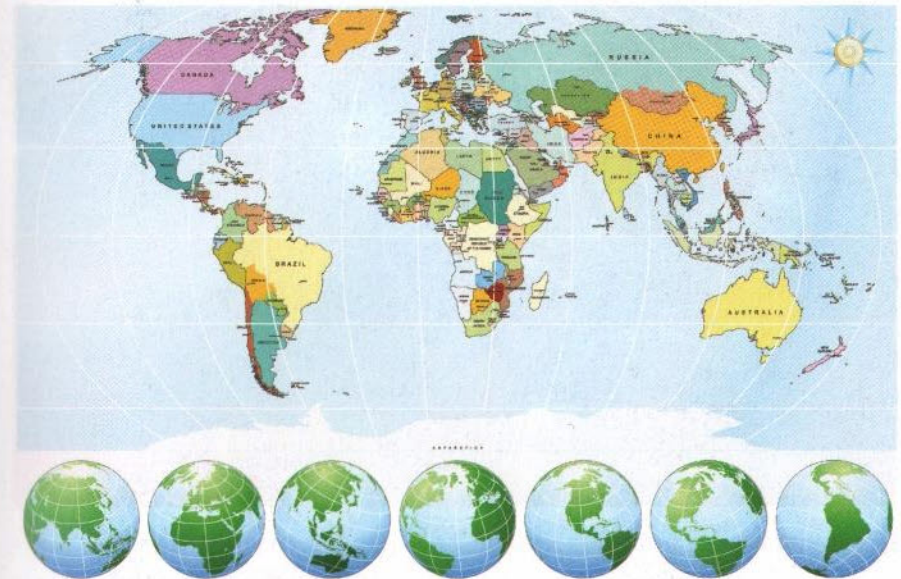




## The Scientific Wonders on the Earth

### Section

### 1



## The Scientific Wonders on the Earth

The miracles of the Qur'an regarding our surrounding environment – the seas, land, animals, plants and other inorganic matters – are clear evidences that the Qur'an is the Word of Allah, the Lord who created them.

The Qur'an urges us to ponder over and inquire into the creation on Earth so that they serve as a guide to recognize the Creator, the Disposer of affairs. Verses have followed others encouraging the man to ponder over the Earth and its contents: what is the secret behind this?

Allah, the Most High, says:

﴿لَخَلْقُ السَّمَوَاتِ وَالْأَرْضِ أَكْبَرُ مِنْ خَلْقِ النَّاسِ وَلَٰكِنَّ أَكْثَرَ النَّاسِ لَا يَعْلَمُونَ﴾

"The creation of the heaven and the Earth is indeed greater than the creation of mankind, and yet most mankind know not."  
(Soorah Ghafir 40:57).





## Earth's Movement

Allah, the Most High, says:

﴿وَتَرَى الْجِبَالَ تَحْسَبُهَا جَاوِدَةً وَهِيَ تَمُرُّ مَرَّ السَّحَابِ  
صُنِعَ اللَّهُ الَّذِي أَنْفَنَ كُلَّ شَيْءٍ إِنَّهُ خَبِيرٌ بِمَا تَفْعَلُونَ﴾

"And you will see the mountains and think them solid but they shall pass away as the passing away of clouds. The work of Allah, Who perfected all things, verily He is Well-Acquainted with what you do."  
(Soorah An-Naml 27:88)

### Historical antecedents:

People had observed in the past that the Earth is stationary and as such, thought that it was the centre of the universe and that it does not move while the celestial bodies including the stars and other bodies move in complex orbits around it called epicycles. This was first proposed by the astronomer and mathematician, Claudius Ptolemaus, and was accepted for several centuries. Some of the astronomers later studied the movement of the Earth around the sun; and Nicholas Copernicus developed the model indicating that the spheres of the



fixed stars were stationary and that their apparent movements are only due to the movements of the Earth and the non-movement of the sun. However, the radical core of his theory was rejected or ignored.

The Greek philosopher and mathematician, Pythagoras, also mentioned the movement of the Earth but he was not really able to prove the theory. The Italian physicist and astronomer, Galileo Galilei, at the end of the fifteenth century and the early parts of the sixteenth century developed astronomical telescopes with which he studied the movements of the Earth and other stellar movements and also supported the Copernican heliocentric theory of a sun-centered universe. Then came Johannes Kepler in the sixteenth century and presented proofs to establish the movement of the Earth and other celestial bodies.

### Scientific Facts:

1. The Earth moves in two basic ways: spinning movement on its own axis (rotation) and in a circle around the sun (revolution).
2. The Earth rotates on its own axis in a period of (23 hrs 56 min 4.1 sec ).
3. The speed of the Earth's movement at the equatorial regions is about 1,670 km/h which is about 465 m/s and it reduces with the latitudes up to 312 m/s at 50 degrees and is completely unnoticed at the poles.
4. Three astronomical phenomena result from the rotation of the Earth on its own axis:
  - a. Day and Night and their succession
  - b. Difference in timing across the Earth's surface
  - c. Induction of a centrifugal force felt strongly at the equatorial regions.





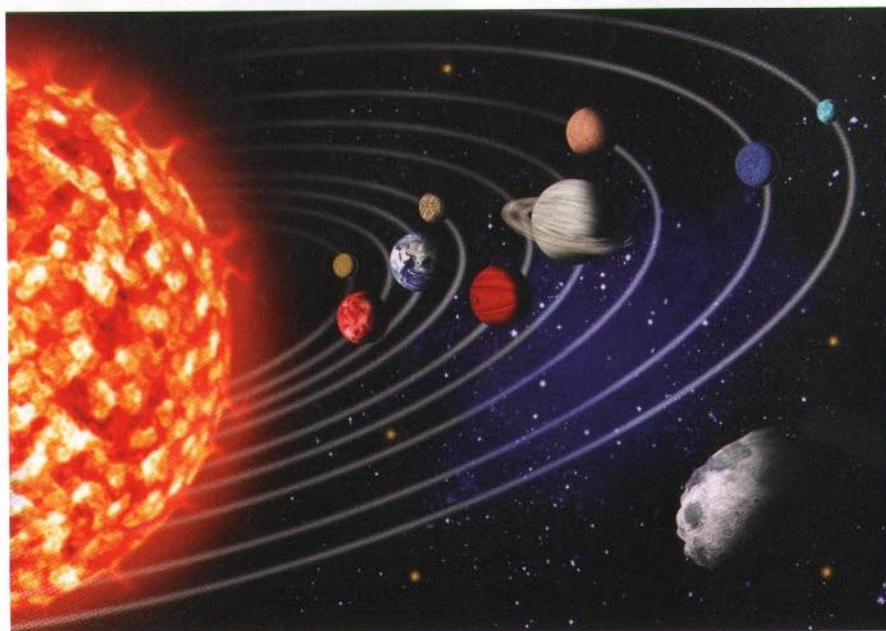


## Scientific Explanation

The Solar System in which we live comprises a firmly connected arrangement which includes the sun and nine planets (currently known) swimming in their different orbits. The Earth is considered the third planet from the sun and it completes its revolution around it in three hundred and sixty days and a quarter.

## Scientific References

The *Encyclopedia of the American Academy of Science* says: The Earth rotates on its axis (spin axis) in the period of a day and revolves around the sun in the period of a year [...] and its average speed during its revolution reaches about 30 [...] The planets in the Solar System also have moons (satellites) that revolve round them of which forty-nine (49) are currently known even when there are strong indications of the occurrence of others particularly around Uranus and Neptune which are both the farthest of the known planets from sun. As for the Earth's moon, it completes one revolution around it in 27 days, 7 hours, 43 minutes increasing as it moves from one similar phase to the other.



The Solar System also makes a part of the large, disk-shaped single aggregation of stars (galaxy) called the Milky Way which contains millions (in fact, billions) of other huge stars each of which also moves on its axis at different speeds. The galaxy rotates around an axis joining the galactic poles and by implication, the sun (one of the billion stars in the galaxy), and its planets also move as the huge mass does. *The World Encyclopedia of Science* says: The sun (which is located in the outer part of the galaxy) takes 200 million years to complete one trip around the centre of the galaxy!

The movement of the Earth round the sun was not known in astronomy until the sixteenth century from the works of the Polish astronomer and mathematician Nicolas Copernicus who developed the heliocentric model of the Solar System, in which the sun is stationary, and the Earth and the known planets move around it, as is mentioned in the *New British Encyclopedia*. This was a clear departure from the prevalent model Ptolemy's model, that the Earth was stationary at the centre of the universe. Thus, the *New British Encyclopedia* says: In the 2<sup>nd</sup> century CE, Ptolemaeus proposed his model of the universe with the Earth at its centre and this model was accepted for more than 1,300 years.

The world waited until Kepler came in the 17<sup>th</sup> century and established the scientific fact that everything in the universe including the moons and stars are in concomitance with it moving on specific paths (orbits).

Looking at the Qur'an, we find that in His saying:

﴿وَرَى الْجِبَالَ تَحْسَبُهَا جَامِدَةً وَهِيَ تَمُرُّ مَرَّ السَّحَابِ﴾

"And you will see the mountains and think them solid but they shall pass away as the passing away of clouds..."

is a clear evidence that the mountains move as quickly as the clouds but mankind sees them firm and stationary. Here are astronomers saying that the Earth rotates together with the creatures on it -- both living and non-living with the same speed. Thus, we would regard the mountains as stationary while in the real sense it rotates with the Earth.





### The movement of the sun

Is the sun stationary? Even though it may appear to be stationary, the answer is: No, it is not.

Astronomical observations show that the sun floats in space at an estimated speed of 30 kilometers per second in the direction of a star known as "Hercules". Therefore, the Earth's orbit about the sun is a helical one and not elliptical. In its yearly motion, the sun passes by twelve conglomerations of stars called constellations, every month.

He, Most High, says:

﴿وَالشَّمْسُ تَجْرِي لِمُسْتَقَرٍّ لَّهَا ذَلِكَ تَقْدِيرُ الْعَزِيزِ الْعَلِيمِ﴾

"And the sun runs on its fixed course for term (appointed). That is the Decree of the Almighty, the All-Knowing." (Soorah Ya Seen 36:38).



### The Sun: A blazing celestial body

When mentioning the sun, the Noble Qur'an usually describes it as a *Sirajun Muneerun* (a radiant lamp). Being a lamp and being radiant are two constant attributes of the sun.

-He says:

﴿تَبَارَكَ الَّذِي جَعَلَ فِي السَّمَاءِ بُرُوجًا وَجَعَلَ فِيهَا سِرَاجًا وَقَمَرًا مُنِيرًا﴾

"Blessed is He Who has placed in the heavens big stars (stellar constellations) and has placed therein a great lamp (sun), and a moon giving light." (Soorah Al-Furqan 25:61).

We notice that wherever the Qur'an talks about the moon, it always describes it as luminous. Thus, luminosity is a constant attribute of the moon. If we turn to the Arabic language to contemplate the fine meanings of the words *Siraj* (lamp), *Mudhee* (radiant or light giving) and *Muneer* (luminous) and to appreciate the difference, we find that a thing is not described as a lamp or radiant except that it reflects light without heat and also, light emanates from it. And you say it is *Muneerun* (luminous) when it reflects light falling on it from another celestial body. Based on this linguistic exposition, the Verse implies that the sun is a blazing/burning celestial body and that the moon is a cool celestial object which obtains its light from the sun.

### Proliferation of Suns

Allah, Most High, says:

﴿وَمِنْ آيَاتِهِ اللَّيْلُ وَالنَّهَارُ وَالشَّمْسُ وَالْقَمَرُ لَا تَسْجُدُوا لِلشَّمْسِ وَلَا لِلْقَمَرِ وَاسْجُدُوا لِلَّهِ الَّذِي خَلَقَهُنَّ إِن كُنتُمْ تَعْبُدُونَ﴾

"And from among His Signs are the night and the day, and the sun and the moon. Prostrate yourselves not before the sun nor before the moon, but prostrate yourselves before Allah who created them, if you (really) worship Him." (Soorah Fussilat 41:37).

The letter "*noon*" indicating feminine form also signifies plurality in His saying: "*Khalaqahunna*". It is also an indication of the existence of





## The Piercing Star

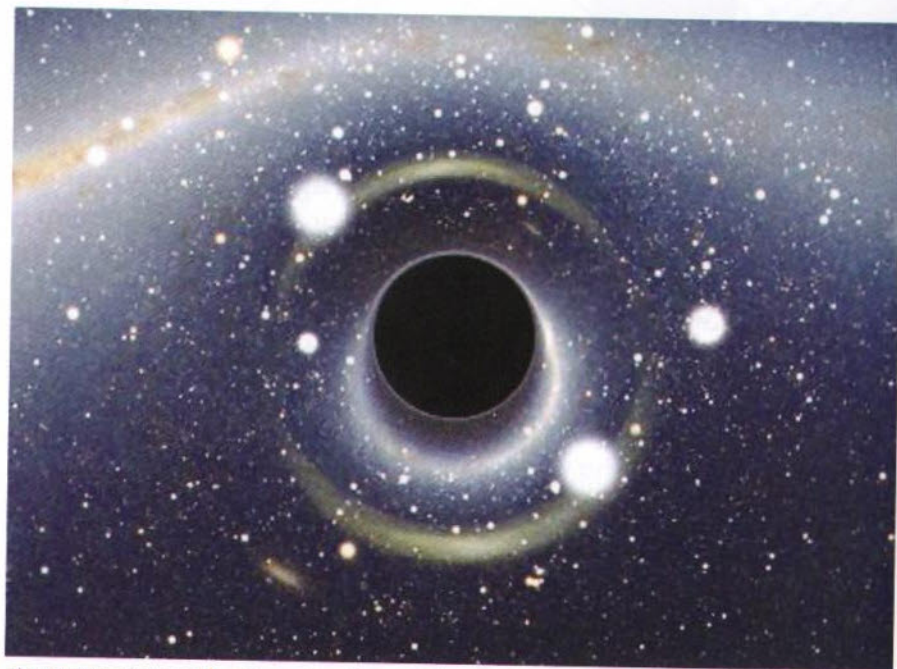
The Creator swears with a magnificent cosmic phenomenon. He, Glorious is He, and Most High, says:

﴿وَالسَّمَاءِ وَالطَّارِقِ ۚ وَمَا أَدْرَاكَ مَا الطَّارِقُ ۚ النَّجْمُ الْقَائِمُ﴾

"By the heaven, and At-Tariq (the night-comer, i.e. the bright star): And what will make you to know what At-Tariq (night-comer) is? (It is) the star of piercing brightness." (Soorah At-Tariq 86:1-3).

﴿وَالنَّجْمِ إِذَا هَوَىٰ ۚ مَا ضَلَّ صَاحِبُكُمْ وَمَا غَوَىٰ ۚ وَمَا يَبْطِئُ عَنْهُوَ﴾

"By the star when it goes down (or vanishes). Your companion (Muhammad) has neither gone astray nor has erred. Nor does he speak of (his own) desire." (Soorah An-Najm 53:1-3).



The piercing star describes the matter of star condensed in singularity and the hole of empty space caused by this condensed matter



He, Most High, swears by the heavens and *At-Tariq*. Whoever hears this oath on a first occasion wonders who or what *At-Tariq* refers to. This is why the High and Powerful (Allah) informed us that it is a piercing star. But how does a star become piercing? Is there a scientific explanation for this?

The scholars of *Tafseer* have interpreted stellar radiation as being piercing and penetrating but regarding the attribute of *At-Tariq*, it has hardly been explored. The second oath has to do with another astronomical phenomenon: the dropping (vanishing) star. It is necessary to differentiate here between this and the phenomenon of meteors, which is considered a daily phenomenon since it occurs frequently. Meteors enter the Earth's atmospheric envelope daily and then burn off when their temperature rises due to friction between them and the atmospheric air. Very few of them fall to the Earth.

Had the Creator willed to swear by the meteor He would have done so. The meteor is mentioned more than once in the Qur'an:

﴿إِلَّا مَنْ خَطِفَ الْخَطْفَةَ فَأَتْبَعَهُ شِهَابٌ ثَاقِبٌ﴾

"Except such as snatch away something by stealing and they are pursued by a flaming fire of piercing brightness." (Soorah As-Saffat 37:10).

﴿وَأَنَّا لَمَسْنَا السَّمَاءَ فَوَجَدْنَهَا مِلْئًا حَرَمًا شَدِيدًا وَشُهَبًا﴾

"And we have sought to reach the heaven, but found it filled with stern guards and flaming fires." (Soorah Al-Jinn 72:8).

Allah, Glorified is He, did not swear by the phenomenon of a falling star but swore by the phenomenon of the dropping (vanishing) star. Why?

The mass of neutron stars is roughly 4.1 times the mass of the sun. Initially, when a star begins to collapse upon itself, it shrinks rapidly and the pressure upon its atoms increases. The atoms break down to form an electronic fluid that becomes denser (thickens) and becomes unable to bear the pressure due to the weight of the star and its gravitational pull. The result is that the gravity of the star, crushes (breaks down)





## The Birth of the Universe

This enormous and vast universe whose limit is not known to man has been an object of query and curiosity for ages. The questions surrounding it in the mind are numerous and complex. For example: how did this universe come into existence? What is its age? Did it have an origin or is it primordial and eternal?

These are some of the questions, which have been a point of contention between Muslim philosophers for hundreds of years. As for atheistic (unbelieving) philosophers, they have claimed that the



universe requires no creator because its matter is eternal (i.e. has always existed). Therefore, they have attributed to matter one of the attributes of the Creator and that is eternity. This is why one of their principles of physics is that: "Matter can neither be created nor destroyed."

Imam Ali Hamid Al-Ghazali, may Allah have mercy upon him, was the first person to resolve the problem of an ancient (eternal) universe and respond to all questions relating to the interval of omission i.e. the intervening period of time between eternity and the creation of the universe. Thus, he said that the universe came into existence and that time did not exist before it, i.e., time and space started after the creation of the universe because time is inextricably linked with motion. Were we to imagine that everything in the universe stopped moving then time itself will pause, meaning then there will be no time. So, it is erroneous to contemplate the existence of time before the creation of the universe.



Since the theory of relativity indicates that time is the fourth dimension, it is intuitive, therefore, that time should not exist in a universe whose other dimensions have not come into existence (xyz-dimension coordinates). We do not intend here to delve into the finesse of philosophy, which could bore the reader and be of no benefit to him. Rather, we wish to point to another scientific theory about the birth of the universe and how it establishes, using scientific evidences that the universe had a beginning and that it came into existence some billions of years ago.





is Allah, Glorious is He and most High, the Only Deity. One without associate in dominion, without parent or child ... Allah said in His Noble Book:

﴿وَسْأَلُونَكَ عَنِ الرُّوحِ قُلِ الرُّوحُ مِنْ أَمْرِ رَبِّي وَمَا أُوتِيتُمْ مِنَ الْعِلْمِ إِلَّا قَلِيلًا﴾

"And they ask you (O Muhammad) concerning the Rooh (the Spirit); say: 'The Rooh: it is one of the things, the knowledge of which is only with my Lord. And of Knowledge, you (mankind) have been given only a little.'" (Soorah Al-Isra 17:85).

### Evolution from Space

Based upon this (the aforementioned conclusions), the two German scientists published their book titled *Evolution from Space* in 1981. It was translated into Arabic in 1989 under the titled "*Al-Budhir Al-Kauniyyah*". This book attempts a revival and modification of the theory of evolution from space proposed by the Swedish scientist Arrhenius in 1907. This theory refutes the theory of origin and evolution proclaimed by Charles Darwin during the nineteenth century. It states that the development of living systems on Earth was a subject of the effect of factors from the universe and that the complexity of life system points (according to analysis in the last quarter of the twentieth century) to a Great Power such as Allah, the Glorified and Exalted, by establishing that the majority of biochemical complexes in life forms were actually in existence at the time of formation of the oldest rocks on the surface of the Earth.

Therefore, the oldest evidence, which dates back to remote times contain no indication of how the first components of life formed. Thus the theory of evolution lacks credible bases according to the opinion of Hoyle and his colleague. Also, life had evolved to a known level in space prior to the formation of the Earth over a long period of time.

### Life in space!

In the eighties, it became clear that matter in the universe beyond our Solar System contained a lot of organic particles, often with high complexities. This is why bio-astronomists concentrated their efforts on



researching for the location or locations of origination of life. They looked at places within the universe where temperatures are between minus twenty-five (-25 °C) degrees to sixty (60°C) degrees and in which the atmosphere is free from oxygen or very deficient thereof. They found that the presence of water or water vapor at any location in the universe is the singular most important condition for the emergence of life. Allah, the Magnificent, says:

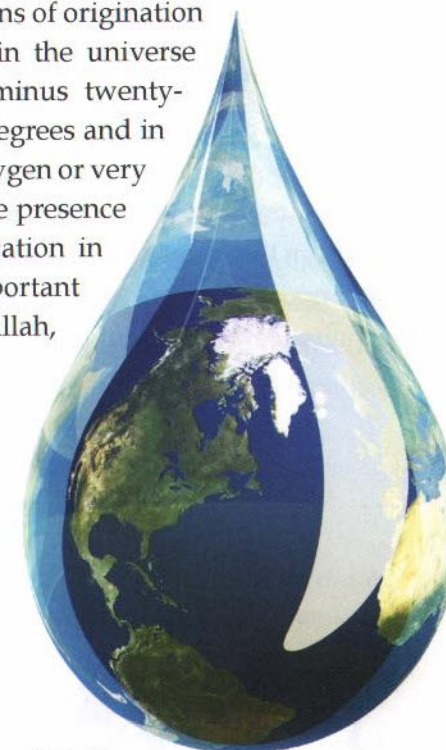
﴿وَجَعَلْنَا مِنَ الْمَاءِ كُلَّ شَيْءٍ حَيٍّ﴾

"And We have made from water every living thing." (Soorah Anbiya' 21:33).

And:

﴿وَاللَّهُ خَلَقَ كُلَّ دَابَّةٍ مِنْ مَّاءٍ﴾

"Allah has created every moving (living) creature from water." (Soorah Noor 24:45).



Life scientists believed that the volcanoes of the Earth emitted their gases about four billion years ago containing water vapor which condensed above the Earth's surface forming the primordial broth. Then particles of carbonic compounds formed and continued to increase in complexity.

The theory of life originating from comets has been known for several years before presently becoming acceptable and it has its own valid arguments. This made scientists admit that the origin of life was from space, possibly through comets which hit the Earth in the past and supplied it with water. Comets are regarded as mountains of ice which contain cosmic carbon compounds. The dominant theory amongst bio-astronomists today is that life and water originated from space via comets. Allah, the Magnificent, says: